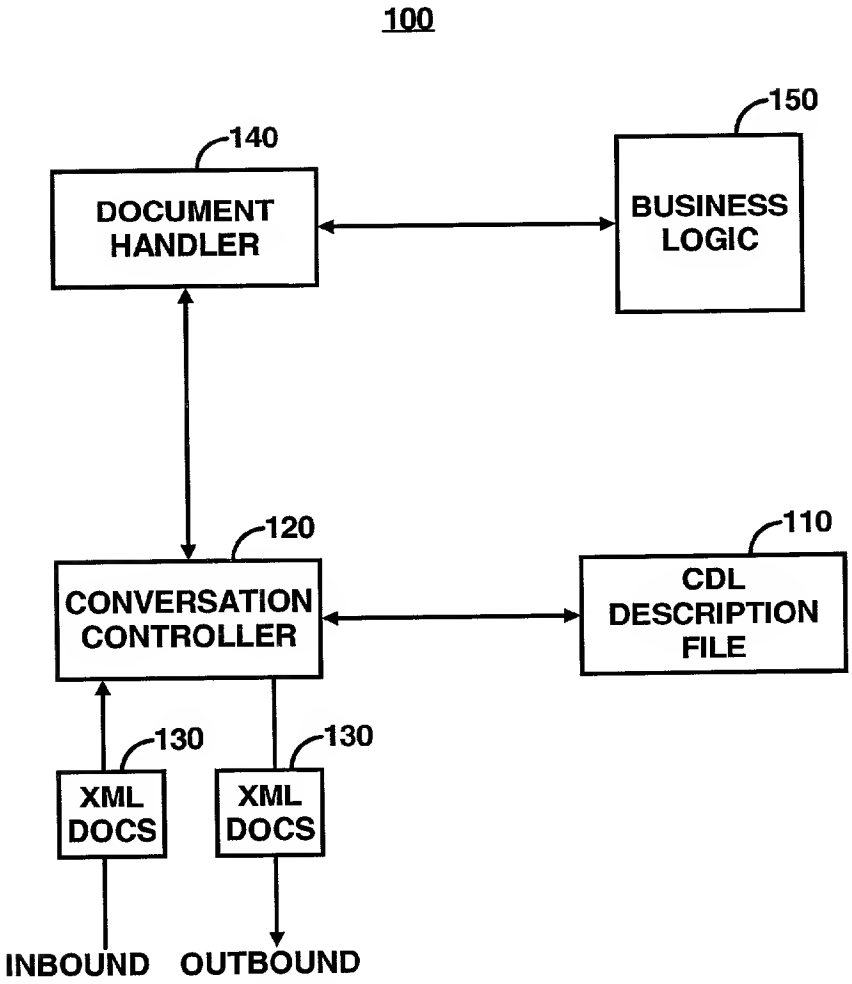
100
140
DOCUMENT HANDLER
150
BUSINESS LOGIC
120
CONVERSATION CONTROLLER
110
CDL DESCRIPTION FILE
130
XML DOCS
130
XML DOCS
INBOUND
OUTBOUND

FIG. 1

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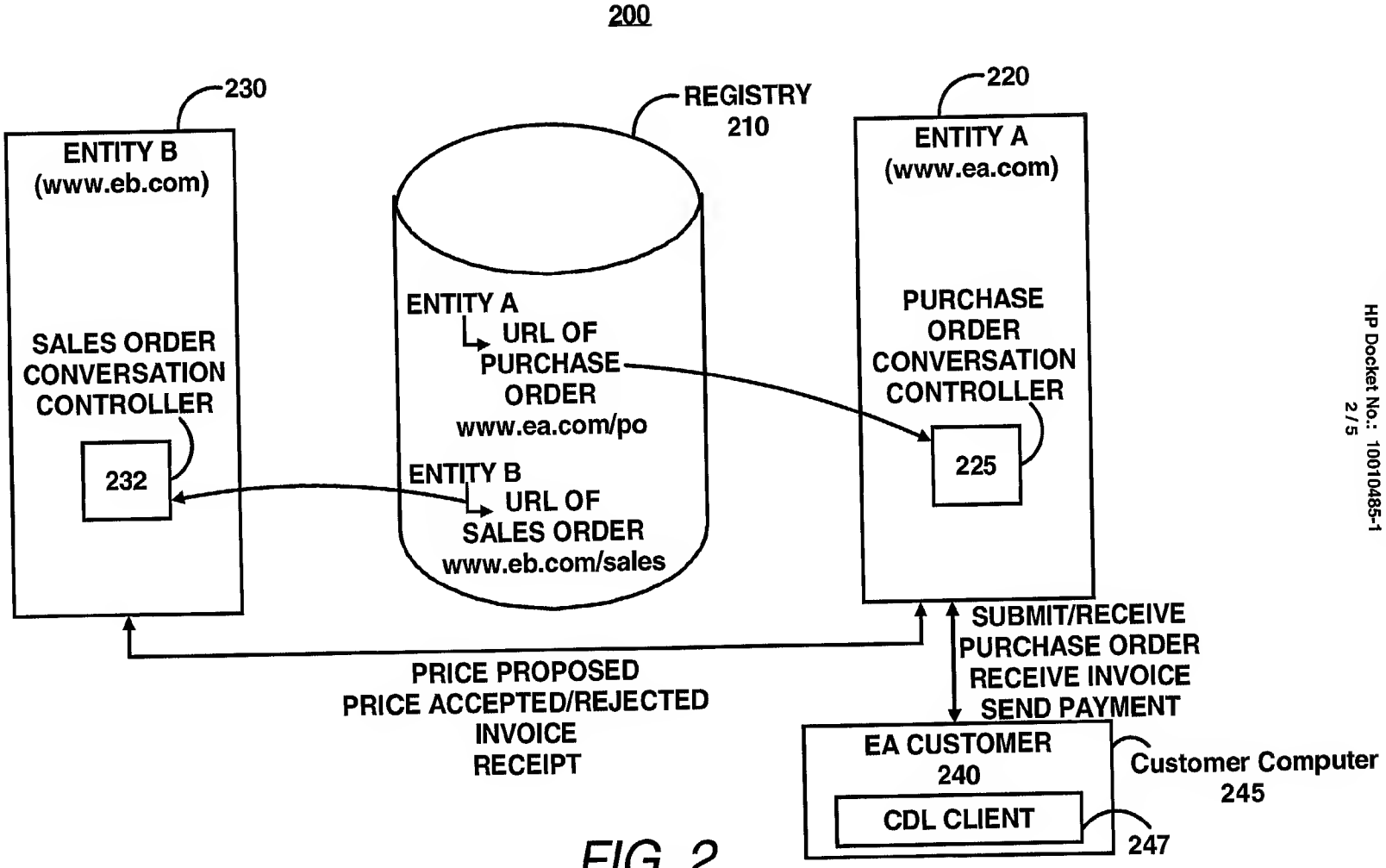

FIG. 2

300

```
305 ->-<Conversation id="conv123" name= "StoreFrontService" InitialInteraction ="Start"
        FinalInteraction ="End">
      - <ConversationInteractions>
          <Interaction InteractionType = "Empty" id="Start" />
310       <Interaction InteractionType= "Empty" id="End" />
311       <Interaction StepType="ReceiveSend" id="Startup">
312     - <InboundXMLDocuments>
            <InboundXMLDocument
             hrefSchema="http://conv123.org/LoginRQ.xsd" id="LoginRQ" />
            <InboundXMLDocument hrefSchema = "RegistrationRQ.xsd"
             id = "RegistrationRQ" />
          </InboundXMLDocuments>
        - <OutboundXMLDocuments>
            <OutboundXMLDocument
             hrefSchema="http://conv123.org/ValidLoginRS.xsd"
             id="ValidLoginRS" />
           <OutboundXMLDocument
            hrefSchema="http://conv123.org/RegistrationRS.xsd"
            id = "RegistrationRS" />
          </OutboundXMLDocuments>
          </Interaction >
        - <Interaction StepType="ReceiveSend" id="LoggedIn">
313     - <InboundXMLDocuments>
            <InboundXMLDocument
             hrefSchema="http://conv123.org/CatalogRQ.xsd"
             id ="Catalog RQ" />
          </InboundXMLDocuments>
        - <OutboundXMLDocuments>
            <OutboundXMLDocument
             hrefSchema="http://conv123.org/CatalogRS.xsd"
             id="CatalogRS" />
          </OutboundXMLDocuments>
        </Interaction>
      - <Interaction StepType="ReceiveSend" id ="Registered">
314   - <InboundXMLDocuments>
          <InboundXMLDocument
           hrefSchema="http://conv123.org/LoginRQ.xsd" id="LoginRQ" />
        </InboundXMLDocuments>
      - <OutboundXMLDocuments>
          <OutboundXMLDocument
           hrefSchema="http://conv123.org/ValidLoginRS.xsd"
           id="ValidLogiinRS" />
        </OutboundXMLDocuments>
        </Interaction>
      - <Interaction StepType="ReceiveSend" id ="Catalogued">
315
```

FIG. 3A

300

```
- <InboundXMLDocuments>
   <InboundXMLDocument
    hrefSchema="http://convl23.org/QuoteRQ.xsd" id="QuoteRQ" />
   </InboundXMLDocuments>
  - <OutboundXMLDocuments>
     <OutboundXMLDocument
      hrefSchema="http://convl23.org/QuoteRS.xsd" id="QuoteRS" />
   </OutboundXMLDocuments>
  </Interaction >
- <Interaction StepType="ReceiveSend" id ="Quotation>
316 - <InboundXMLDocuments>
     <InboundXMLDocument
      hrefSchema="http://convl23.org/PurchaseOrderRQ.xsd"
      id="PurchaseOrderRQ" />
   </InboundXMLDocuments>
  - <OutboundXMLDocuments>
     <OutboundXMLDocument
      hrefSchema="http://convl23.org/InvoiceRS.xsd"
      id="InvoiceRS" />
   </OutboundXMLDocuments>
  </Interaction>
- <Interaction StepType="ReceiveSend" id= "Invoiced">
317 - <InboundXMLDocuments>
     <InboundXMLDocument
      hrefSchema="http://convl23.org/AuthorizePaymentRQ.xsd"
      id="AuthorizePayrnentRQ" />
   </InboundXMLDocuments>
  - <OutboundXMLDocuments>
     <OutboundXMLDocument
      hrefSchema="http://convl23.org/ConfirmationRS.xsd"
      id="ConfirmationRS" />
   </OutboundXMLDocuments>
  </Interaction>
- <Interaction StepType="ReceiveSend" id="end">
318   <InboundXMLDocuments />
     <OutboundXMLDocuments />
  </Interaction>
 </ConversationInteractions>
- <ConversationTransitions >
- <Transition>
320   <SourceInteraction href="Start" />
     <DestinationInteraction href="Startup" />
  </Transition>
- <Transition >
321   <SourceInteraction href= "Startup" />
```

FIG. 3B

300

```
        <DestinationInteraction href="LoggedIn" />
        <TriggeringDocument href="ValidLoginRS" />
      </Transition>
    - <Transition>
322   <SourceInteraction href="Startup" />
      <DestinationInteraction href = "Registered" />
      <TriggeringDocument href= "RegistrationRS" />
    - <Transition>
323   <SourceInteraction href="Registered" />
      <DestinationInteraction href="LoggedIn" />
      <Triggering Document href="ValidLoginRS" />
    </Transition>
    - <Transition>
324   <SourceInteraction href="LoggedIn" />
      <DestinationInteraction href= "Catalogued" />
      <Triggering Document href ="Catalog RS" />
    </Transition>
    - <Transition>
325   <SourceInteraction href= "Catalogued" />
      <Destination Interaction href="Quotation" />
      <TriggeringDocument href="QuoteRS" />
    </Transition>
    - <Transition>
326   <SourceInteraction href= "Quotation" />
      <DestinationInteraction href= "Invoiced" />
      <TriggeringDocument href="InvoiceRS" />
      </Transition>
      <Transition>
327   <SourceInteraction href="Invoiced" />
      <DestinationInteraction href="End" />
      <TriggeringDocument href ="Confirmation RS" />
    </Transition>
    - <Transition >
328   <Destination I nteracti on href="End" />
      <TriggeringDocument href="Quit" />
    </Transition >
  </Transition>
</ConversationTransitions >
</Conversation>
```

FIG. 3C